

Table 6-1
Summary Statistics for Dioxin and Furan Concentrations in Soil Investigation Area 4 and Adjacent Surface Soil Samples

Analyte	Number of Samples	Number of Detected Measurements	Detection Frequency	Concentration (ng/kg dw)		
				Minimum	Maximum	Mean
2,3,7,8-TCDD	26	21	81%	0.0288	24.3	5.07
1,2,3,7,8-PeCDD	26	20	77%	0.0471	3.30	0.786
1,2,3,4,7,8-HxCDD	26	24	92%	0.186	4.71	1.35
1,2,3,6,7,8-HxCDD	26	24	92%	0.483	12.6	4.05
1,2,3,7,8,9-HxCDD	26	26	100%	0.666	12.2	3.82
1,2,3,4,6,7,8-HpCDD	26	26	100%	32.7	438	160
OCDD	26	26	100%	571	64,900	10,200
2,3,7,8-TCDF	26	23	88%	0.0303	78.7	16.6
1,2,3,7,8-PeCDF	26	19	73%	0.0224	3.72	1.08
2,3,4,7,8-PeCDF	26	22	85%	0.0260	3.48	1.05
1,2,3,4,7,8-HxCDF	26	26	100%	0.160	8.26	2.68
1,2,3,6,7,8-HxCDF	26	20	77%	0.0203	2.94	1.07
1,2,3,7,8,9-HxCDF	26	5	19%	0.0126	0.353	0.105
2,3,4,6,7,8-HxCDF	26	20	77%	0.0230	3.60	1.09
1,2,3,4,6,7,8-HpCDF	26	26	100%	0.870	60.8	15.0
1,2,3,4,7,8,9-HpCDF	26	19	73%	0.0296	4.82	1.23
OCDF	26	26	100%	3.00	249	68.5
TEQ _{DF,M}	26	26	100%	1.35	36.9	14.1

Notes

Summary statistics calculations include detected and nondetected values. Nondetected values were set to one-half the detection limit.

TEQ_{DF,M} (ND=1/2DL) = Toxicity equivalent for 2,3,7,8-tetrachlorinated dibenzo-p-dioxin (TCDD) calculated using dioxins and furans and mammalian toxicity equivalency factors (Van den Berg et al. 2006) with nondetects set at one-half the detection limit.

dw = dry weight